## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JF2004/017234

		<del></del>		<del></del>			
A.	CLASSIFIC Int.Cl <sup>7</sup>	CATION OF SUBJECT MATTER F16C33/34, 33/54, 33/58, 19/4	46, F16H57/02, F04B27/08	3			
Acc	According to International Patent Classification (IPC) or to both national classification and IPC						
	FIELDS SE						
	Int.Cl <sup>7</sup>	nentation searched (classification system followed by cl F16C33/30-33/58, 19/00-19/50,	F16H57/02, F04B27/08				
	Jitsuyo Kokai Ji	tsuyo Shinan Koho 1971-2005 Ji	roku Jitsuyo Shinan Koho tsuyo Shinan Toroku Koho	1994-2005 1996-2005			
Elec	tronic data b	ase consulted during the international search (name of	data base and, where practicable, search te	rms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
C:	ategory*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
	Υ	JP 2003-83337 A (NSK Ltd.), 19 March, 2003 (19.03.03), (Family: none)		1-10			
		JP 2003-269468 A (Koyo Seiko 25 September, 2003 (25.09.03) Claims & US 2003/0198420 Al & EP	Co., Ltd.), , 1344953 A2	1-10			
	¥	JP 2000-213546 A (NTN Corp.) 02 August, 2000 (02.08.00), Par. Nos. [0020] to [0021]; F (Family: none)		6-10			
×	Further do	cuments are listed in the continuation of Box C.	See patent family annex.				
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		efining the general state of the art which is not considered icular relevance cation or patent but published on or after the international which may throw doubts on priority claim(s) or which is blish the publication date of another citation or other in (as specified)  ferring to an oral disclosure, use, exhibition or other means oblished prior to the international filing date but later than the claimed.	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the an document member of the same patent family  Date of mailing of the international search report				
18 February, 2005 (18.C2.05)  Name and mailing address of the ISA/			15 March, 2005 (15.  Authorized officer				
_	Japanese Patent Office						

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		PCT/JP2004/017234
C (Continuation)	DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant p	passages Relevant to claim No.
Þ.	JP 2003-287035 A (NSK Ltd.), 10 October, 2003 (10.10.03), (Family: none)	3-4,9
A	JF 2003-279425 A. (NSK Ltd.), 02 October, 2003 (02.10.03), (Family: none)	1-10
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